

ALTERNATE INLET LOCATION

1-1/4" PVC EFFLUENT
RECIRCULATION LINE

CHECK VALVE

A

4" DIAMETER INFLUENT LINE

REMOVABLE INSPECTION COVER
WITH CAST-IN-PLACE HANDLE

ALTERNATE INLET LOCATION

BIO-KINETIC® SYSTEM MOUNTING CASTING

NORWECO FRESH AIR VENT ASSEMBLY

SINGLAIR® AERATOR

AERATOR MOUNTING CASTING

UNDERGROUND POWER SUPPLY ENTRANCE

GROUT OR SYNTHETIC SEAL

CAST-IN-PLACE PRETREATMENT
CHAMBER TRANSFER TEE

SUBMERGED TRANSFER PORT

PRETREATMENT CHAMBER

EXTENDED AERATION
CHAMBER

BIO-STATIC® SLUDGE RETURN

CAST-IN-PLACE AERATION
CHAMBER TRANSFER PORT

MODEL 960 SINGLAIR® SYSTEM

PLAN VIEW

OPTIONAL BLUE CRYSTAL®
CHLORINATION SYSTEM

OPTIONAL BIO-NEUTRALIZER®
DECHLORINATION SYSTEM

BIO-KINETIC® SYSTEM

AERATOR MOUNTING CASTING AND COVER
WITH FRESH AIR VENT ASSEMBLY

BIO-KINETIC® SYSTEM MOUNTING
CASTING AND COVER

FORCE MAIN

HEAVY DUTY ACCESS COVER
WITH MOISTURE DRIP LIP

4" DIAMETER EFFLUENT LINE

GROUT OR SYNTHETIC SEAL

GENERAL NOTES:

- ① SIMPLEX PUMP AND SINGLAIR® AERATOR CONTROLS ARE REMOTELY LOCATED AND REQUIRE SEPARATE CIRCUIT BREAKERS.
- ② ON DEEPER INSTALLATIONS, RISERS MUST BE USED TO EXTEND ALL MOUNTING CASTINGS TO GRADE.
- ③ WHEN ADDITIONAL HOLDING CAPACITY IS REQUIRED, RING SECTIONS CAN BE ADDED TO INCREASE THE DEPTH OF THE PUMP BASIN.
- ④ DEPTH OF THE PUMP STATION INLET INVERT IS ADJUSTABLE FROM 28 TO 34 INCHES BELOW GRADE WHEN USING A STANDARD 4" DIAMETER EFFLUENT LINE.
- ⑤ DEPTH OF THE PUMP STATION OUTLET INVERT IS ADJUSTABLE FROM 5 TO 9 INCHES OR FROM 26 TO 34 INCHES BELOW GRADE WHEN USING A STANDARD 1-1/4" DIAMETER EFFLUENT DISCHARGE.
- ⑥ OTHER PUMP STATION APPLICATIONS INCLUDE EFFLUENT LIFT, SAND FILTER AND MOUND SYSTEM DOSING, PRESSURE DOSING, SPRAY / DRIP IRRIGATION, ETC.

PROJECT ENGINEER'S APPROVAL:
I (WE) HEREBY CERTIFY THAT THIS
DRAWING HAS BEEN CHECKED AND IS
APPROVED FOR USE IN CONFORMITY
WITH THE CONTRACT DOCUMENTS.

DATE: _____

NAME: _____


CONTRACTOR'S CERTIFICATION:
I (WE) HEREBY CERTIFY THAT THIS
DRAWING HAS BEEN CHECKED AND IS
APPROVED FOR USE IN CONFORMITY
WITH THE CONTRACT DOCUMENTS.

DATE: _____

NAME: _____

CRITICAL DIMENSIONS

A	6'-7 1/4"	N	1'-0"
B	2'-6"	O	5'-6"
C	3'-4 3/8"	P	2'-3"
D	2'-0"	Q	4'-8"
E	2'-9"	R	
F	1'-0"	S	
G	2'-8"	T	
H	3'-7"	U	
I	2'-3"	V	
J	9'-3"	W	
K	2'-0"	X	
L	5'-0"	Y	
M	0'-3"	Z	

U.S. AND FOREIGN PATENTS PENDING	 <p>SINGLAIR® NITROGEN REMOVAL SYSTEM</p>	DESIGN DATE	DESIGN NO.
		DRAWN BY	APPROVED BY
		DATE	SCALE
		© MMIV	PC-5-9611

NOTE: PUMP STATION OUTLET
INVERT DIMENSION TO BE
FILLED IN PER INDIVIDUAL
JOB SITE SPECIFICATIONS.

SECTION A-A

SIMPLEX
PUMP STATION

SAFETY / SERVICE
GUARD

PUMP LIFTING CABLE

COMPRESSION CLAMP

GRADE

ADJUSTMENT VALVE

DISCONNECT
FITTING

PUMP BASIN

ALARM FLOAT
(OPTIONAL)

ON/ OFF FLOAT

SUBMERSIBLE PUMP

FINAL CLARIFICATION CHAMBER